



PATENT APPLICATION

UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Mitsumi KIMURA et al.

Group Art Unit: 3624

Application No.: 09/901,095

Examiner: Unknown

Filed: July 10, 2001

Docket No.: JAO 40499.01

For: MATRIX TYPE DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. The references were cited in a counterpart foreign application. An English language version of the foreign search reports are attached for the Examiner's information.
- 3. English-language Abstracts of the non-English language references are attached hereto.

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GROUP 3600

4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([http://www.jpo.go.jp]), and is attached, but has not been reviewed for accuracy. See References 6 and 7.

Respectfully submitted,



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JAO:GPS/jam

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Sheet 1 of 1

Form PTO-1449 (REV. 8-83)			US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. JAO 40499.01	APPLICATION NO. 09/901,095	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			APPLICANT(S) Mitsumi KIMURA et al.			
			FILING DATE July 10, 2001	GROUP 3624		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1	5,438,241	08/01/1995	ZAVRACKY et al.		
	2	5,274,481	12/28/1993	KIM		
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	3	JP 3-168613 (w/Eng. Abstr)	07/22/1991	Japan		
	4	EP 0 486 318 A1	11/15/1991	Europe		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
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EXAMINER					DATE CONSIDERED	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						



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10 DEC 2003

MILLER STURT KENYON

Datum/Date

10.12.03

Zeichen/Ref./Réf. EPP12478C	Anmeldung Nr./Application No./Demande n°./Patent Nr. /Patent No./Brevet n°. 03077468.1-2203-
Anmelder/Applicant/Demandeur/Patentinhaber/Propriétaire/Titulaire SEIKO EPSON CORPORATION	

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

abstract

title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 9

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 438 241 A (MCQUELLAND ROBERT ET AL) 1 August 1995 (1995-08-01) * column 16, line 36 - column 17, line 7 * * column 18, line 27 - column 19, line 5 * * column 22, line 16 - line 21; figures 12,16A,16B,17L *	1,6	H01L51/40 H01L27/00 H05B33/12 G02F1/1333 G09F9/30 G09F9/00 H01L21/20
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	28 November 2003	Stang, I

CATEGORY OF CITED DOCUMENTS

- X : particularly relevant if taken alone
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28-11-2003

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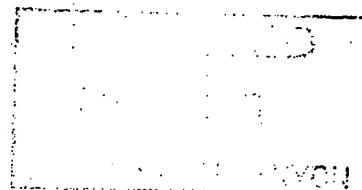
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Zeichen/Ref./Réf.

EPP12478B

Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°.
03077361.8-2203-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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Y	PATENT ABSTRACTS OF JAPAN vol. 008, no. 183 (P-296), 23 August 1984 (1984-08-23) & JP 59 075205 A (SUWA SEIKOSHA KK), 27 April 1984 (1984-04-27) * abstract *	9,14	
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 415 (P-1265), 22 October 1991 (1991-10-22) & JP 03 168613 A (DAINIPPON PRINTING CO LTD), 22 July 1991 (1991-07-22) * abstract *	3,5	
The present search report has been drawn up for all claims			
1	Place of search THE HAGUE	Date of completion of the search 26 November 2003	Examiner Stang, I
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 07 7361

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26-11-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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ABSTRACT / ZUSAMMENFASSUNG / ABREGE

03077361.8

A method of manufacturing a matrix type display device comprising an optical material (114A) arranged at predetermined positions on a display substrate (121), the optical material being liquid at least when the optical material is applied to the predetermined positions. The method comprises the steps of enhancing the lyophilicity at each of the predetermined positions relative to the lyophilicity at a peripheral region (155) around a respective predetermined position of the predetermined positions and applying the optical material to the predetermined positions.